

#### NOTES

1. Historical Aerial Photos supplied by Environmental Data Resources Inc.
2. Horizontal datum based on NAD 83/94.  
Horizontal coordinates based on UTM Zone 16.
3. Site Location - Project Site within Sections 2 and 11, T47N, R29W,  
Town of Humboldt, Marquette County, Michigan.



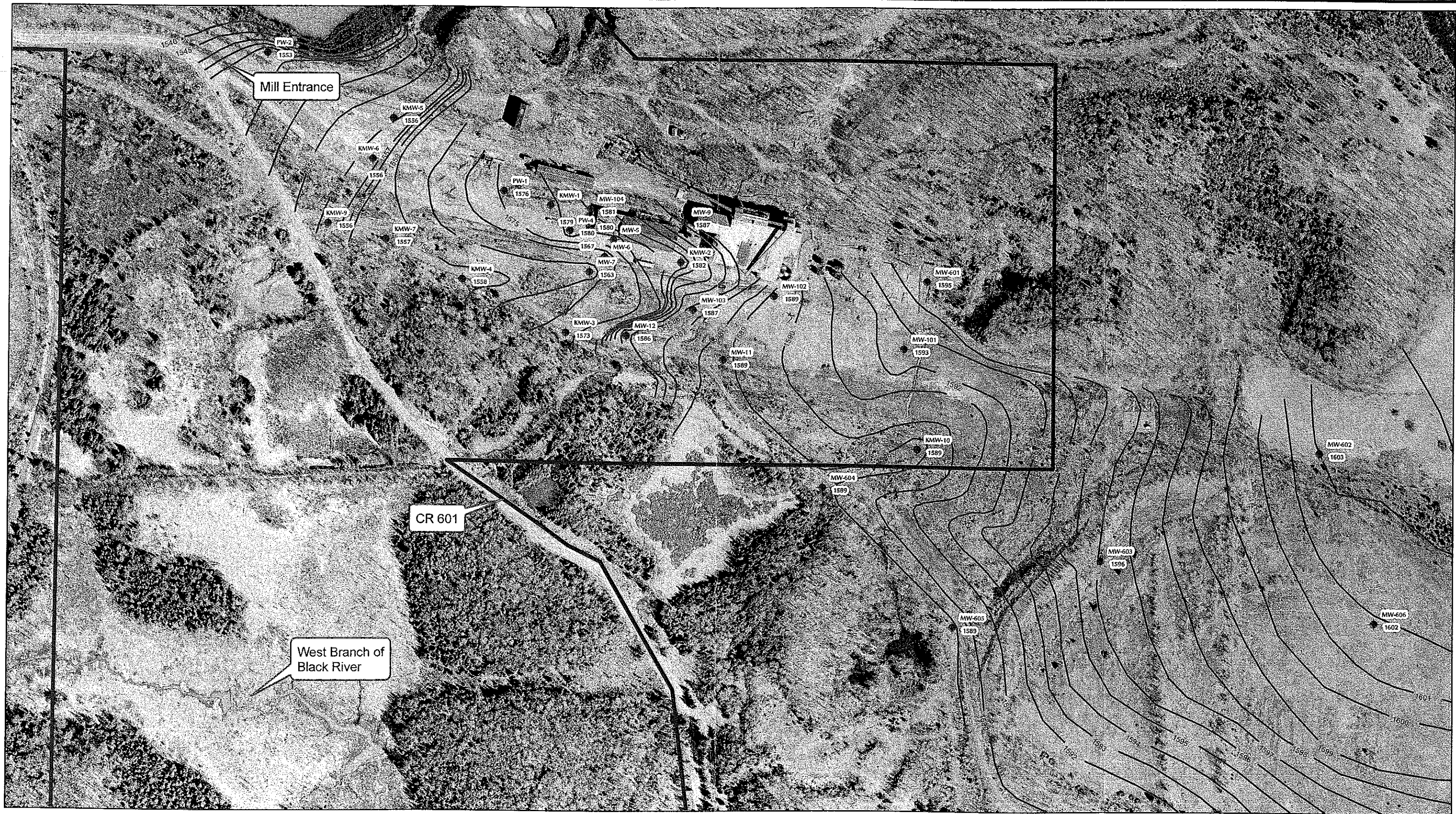
Foth Infrastructure & Environment, LLC			
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FIGURE 5-16  
HUMBOLDT MILL PROJECT - PHASE II ESA  
HISTORICAL AERIAL PHOTOS

Scale: AS SHOWN Date: AUGUST 2007  
 Prepared by: DAT Project No: 06W003






- NOTES**
1. Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
  2. Horizontal datum based on NAD 83/96.  
Horizontal coordinates based on Michigan State Plane North.
  3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.


**LEGEND**

November 2006 Groundwater Contour

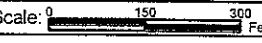
 KEMC Project Location



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**Kennecott**  
Eagle Minerals

**FIGURE 5-17**  
**HUMBOLDT MILL PROJECT - PHASE II ESA**  
**GROUNDWATER CONTOURS**  
**NOVEMBER 2006**

Scale:  0 150 300 Feet

Date: AUGUST 2007

Prepared by: DAT

Project No: 06W003





**NOTES**

1. Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.

2. Horizontal datum based on NAD 83/96.

3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

**LEGEND**

Soil Sample Location - Not Sampled for Parameter

Soil Sample Location - Sample Below Drinking Water Protection Criteria (< 2,100 ug/kg)

Soil Sample Location - Sample Above Drinking Water Protection Criteria (> 2,100 ug/kg)



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**FIGURE 5-18**  
**HUMBOLDT MILL PROJECT - PHASE II ESA**  
**SOIL SAMPLE LOCATIONS**  
**1, 2, 4 - TRIMETHYLBENZENE IN SOIL**

Scale: 0 150 300 Feet

Date: AUGUST 2007

Prepared by: DAT

Project No: 06W0D3





**NOTES**

1. Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
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3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

**LEGEND**

Soil Sample Location -  
Not Sampled for Parameter  
Soil Sample Location - Sample Below  
Drinking Water Protection Criteria (< 1,800 ug/kg)  
Soil Sample Location - Sample Above  
Drinking Water Protection Criteria (> 1,800 ug/kg)



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**FIGURE 5-19**  
**HUMBOLDT MILL PROJECT - PHASE II ESA**  
**SOIL SAMPLE LOCATIONS**  
**1, 3, 5 - TRIMETHYLBENZENE IN SOIL**

Scale: 0 150 300 Feet

Date: AUGUST 2007

Prepared by: DAT

Project No: 06W003





**NOTES**

1. Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.

2. Horizontal datum based on NAD 83/96. Horizontal coordinates based on Michigan State Plane North.

3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

**LEGEND**

Soil Sample Location - Not Sampled for Parameter

Groundwater Monitoring Well - Sample Below Drinking Water Protection Criteria (< 1,600 ug/kg)

Groundwater Monitoring Well - Sample Above Drinking Water Protection Criteria (> 1,600 ug/kg)



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**FIGURE 5-20**  
HUMBOLDT MILL PROJECT - PHASE II ESA  
SOIL SAMPLE LOCATIONS  
N-PROPYLBENZENE IN SOIL

Scale: 0 150 300 Feet

Date: AUGUST 2007

Prepared by: DAT

Project No: 06W003









- NOTES**
1. Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
  2. Horizontal datum based on NAD 83/96.
  3. Horizontal coordinates based on Michigan State Plane North.
  4. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

- LEGEND**
- Soil Sample Location - Not Sampled for Parameter
  - Soil Sample Location - Sample Below Drinking Water Protection Criteria (<35,000 ug/kg)
  - Soil Sample Location - Sample Above Drinking Water Protection Criteria (>35,000 ug/kg)



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**FIGURE 5-22**  
HUMBOLDT MILL PROJECT - PHASE II ESA  
SOIL SAMPLE LOCATIONS  
NAPHTHALENE IN SOIL

Scale: 0 150 300 Feet Date: AUGUST 2007

Prepared by: DAT Project No: 06W003





**NOTES**

1. Aerial photography supplied by Aero-Metric Engineering, Inc., Boygan, Wisconsin. Date of photography: April 27, 2006.
2. Horizontal datum based on NAD 83/96. Horizontal coordinates based on Michigan State Plane North.
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**LEGEND**

- Soil Sample Location - Not Sampled for Parameter
- Soil Sample Location - Sample Below Drinking Water Protection Criteria (< 41,000 ug/kg)
- Soil Sample Location - Sample Above Drinking Water Protection Criteria (> 41,000 ug/kg)



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**FIGURE 5-23**  
HUMBOLDT MILL PROJECT - PHASE II ESA  
SOIL SAMPLE LOCATIONS  
ANTHRACENE IN SOIL

Scale: 0 150 300 Feet

Date: AUGUST 2007

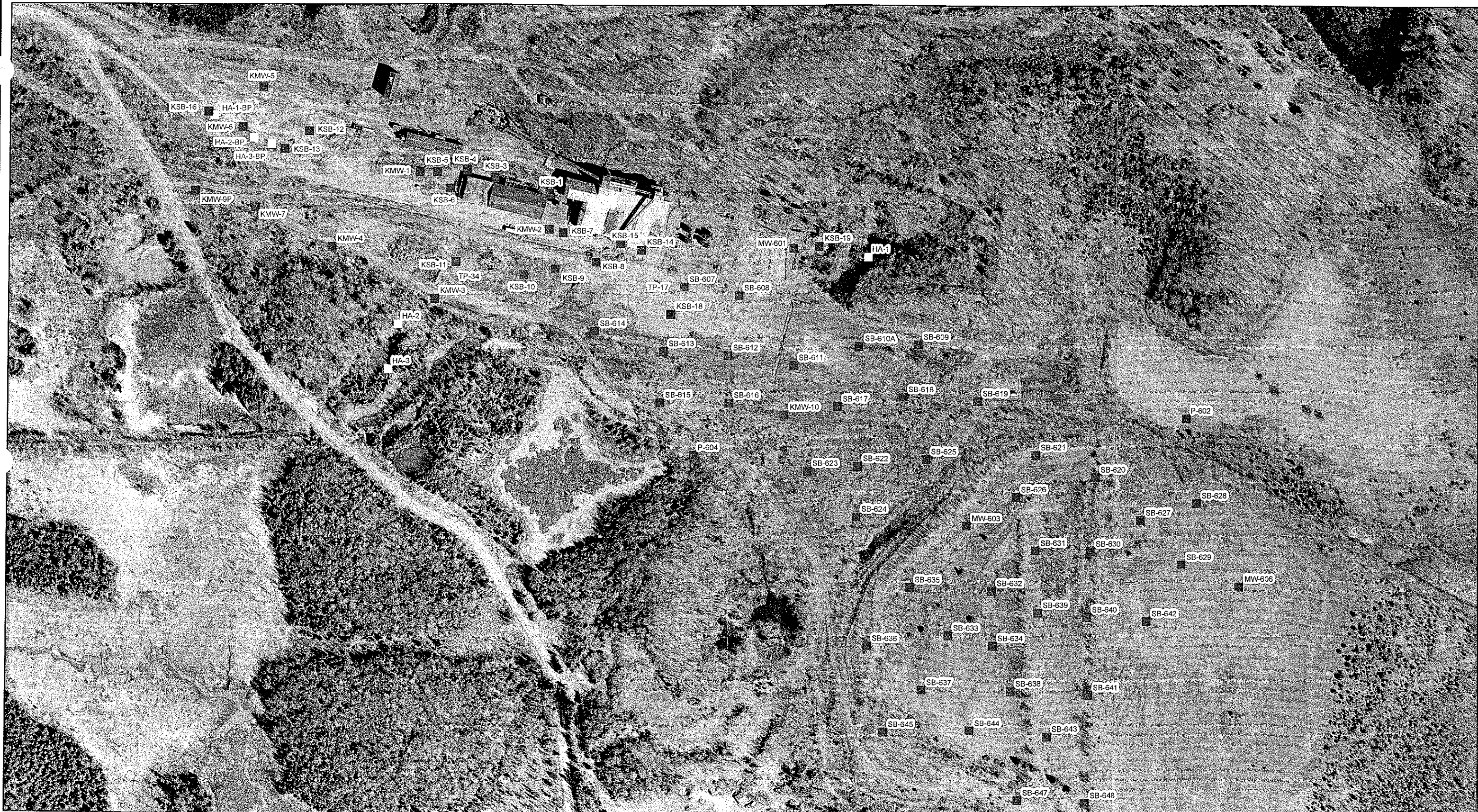
Prepared by: DAT

Project No: 06W003









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1. Aerial photography supplied by Aero-Metric Engineering, Neboyan, Wisconsin. Date of photography: April 27, 2006.
2. Horizontal datum based on NAD 83/96.
3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

LEGEND

- Soil Sample Location - Not Sampled for Parameter
- Soil Sample Location - Sample Below Residential Drinking Water Protection Criteria (< 4 mg/kg)
- Soil Sample Location - Sample Above Residential Drinking Water Protection Criteria (> 4 mg/kg)



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FIGURE 5-25  
HUMBOLDT MILL PROJECT - PHASE II ESA  
SOIL SAMPLE LOCATIONS  
CYANIDE IN SOIL

Scale: 0 150 300 Feet  
Date: AUGUST 2007  
Prepared by: DAT  
Project No: 06W003